

Claims

- [c1] 1. A cooling fan with dust-filtering function, at least comprising:
a fan base with an air inlet and an air outlet;
a fan module set up within the fan base;
a filter frame detachably connected on the fan base; and
a filtering unit set up within the filter frame covering the air inlet of the fan base.
- [c2] 2. The cooling fan of claim 1, wherein the filter frame is detachably connected to the fan base by using a set of screws.
- [c3] 3. The cooling fan of claim 1, wherein the filter frame is detachably attached to the fan base by using a set of latches.
- [c4] 4. The cooling fan of claim 1, wherein the filter frame and the filtering unit are manufactured as an integrative unit.
- [c5] 5. The cooling fan of claim 1, wherein material constituting the filter frame is selected from a group consisting of metal and plastic.

- [c6] 6. The cooling fan of claim 1, wherein material constituting the filtering unit is selected from a group consisting of metal and plastic.
- [c7] 7. The cooling fan of claim 1, wherein the air outlet lies in a direction parallel to the axis of rotation of the fan module.
- [c8] 8. The cooling fan of claim 1, wherein the air outlet lies in a direction forming an angle with the axis of rotation of the fan module.
- [c9] 9. The cooling fan of claim 1, wherein the air outlet lies in a direction perpendicular to the axis of rotation of the fan module.